





OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/076,840

DATE: 05/21/2002 TIME: 14:22:23

| | ~110× | ADDITIONE. Murphy of al | |
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| 1 | < T T O > | APPLICANT: Murphy, et al. | |
| 2 | <120> | TITLE OF INVENTION: METHODS OF MODIFYING EUKARYOTIC CELLS | |
| 3 | <130> | FILE REFERENCE: REG 780B | |
| 4 | <140> | CURRENT APPLICATION NUMBER: 10/076,840 | |
| 5 | <141> | CURRENT FILING DATE: 2002-02-15 | |
| 7 | <150> | PRIOR APPLICATION NUMBER: US/09/784,859 | |
| 8 | <151> | PRIOR FILING DATE: 2001-02-16 | |
| 10 | <160> | NUMBER OF SEQ ID NOS: 6 | 4 |
| 11 | <170> | NUMBER OF SEQ ID NOS: 6 SOFTWARE: PatentIn version 3.0 SEQ ID NO: 1 | <i>)</i> |
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| Cys Ser Leu His Lys Ser Gly His Asn Thr Thr His Ile Trp Tyr Thr 103 65 70 70 75 75 80 104 105 105 105 85 95 95 106 Asn Val Thr Asp Gln Ser Gly Asn Asn Ser Gln Glu Val Phe Ile Val 105 85 95 106 Asn Val Thr Asp Gln Ser Gly Asn Asn Ser Gln Glu Cys Gly Ser Phe 107 100 125 125 126 125 126 125 126 125 126 125 126 126 125 126 126 125 126 126 125 126 126 126 126 126 126 126 126 126 126 | 101 | | 50 | | | | | 55 | | | | | 60 | | | | |
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| 106 | | | TT 4 | 14-4 | 3 | T | | 71 n | Dha | Т о и | C0.70 | | C1., | 17 n 1 | Dho | т1. | |
| Asn Val Thr Asp Gln Ser Gly Asn Asn Ser Gln Glu Cys Gly Ser Phe | | Cys | HIS | мет | Arg | | ser | GIII | Pne | Leu | | ASP | GIU | Val | Phe | | vai |
| 108 | | _ | | m1 | _ | | | a 1 | | | | a1 | a 1 | | a1 | - | Dha |
| Val Leu Ala Glu Ser Tle Lys Pro Ala Pro Pro Leu Asn Val Thr Val 115 120 125 125 125 126 125 126 125 126 125 126 125 126 125 126 127 128 | | Asn | val | rnr | | GIn | ser | GIY | Asn | | ser | GIII | GIU | Cys | | ser | Pne |
| 115 | | | | | | | _ | _ | _ | | _ | _ | _ | _ | | | 1 |
| 110 | 108 | Val | Leu | | Glu | Ser | IIe | Lys | | Ala | Pro | Pro | Leu | | Val | Thr | val |
| 112 | 109 | | | | | | | | | | | | | | | | _ |
| Pro Ser Asn Tyr Val Leu Arg Gly Lys Leu Gln Tyr Glu Glu Flor Glu Glu Glu Glu Flor Glu Glu Glu Flor Glu Glu Glu Flor Glu G | 110 | Ala | Phe | Ser | Gly | Arg | ${	t Tyr}$ | Asp | Ile | Ser | \mathtt{Trp} | Asp | | Ala | \mathtt{Tyr} | Asp | Glu |
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| 123 | | Thr | | Ala | Glv | Glu | Pro | | Ala | Glv | Trp | Asp | | His | Met | Leu | Leu |
| 124 | | | | | 1 | | | | | - | • | | | | | | |
| 125 | | | Leu | Ala | Va 1 | Leu | | Tle | Va 1 | Leu | Val | Phe | Met | Glv | Leu | Lvs | |
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| 127 268 Pro Glu Ser Phe Phe Phe Gln Pro Leu Tyr Arg Glu His Ser Gly Asn Phe 275 280 285 285 481 Asn Phe 280 285 285 481 Asn Phe 280 285 481 | | Hic | T.e.u | Pro | Trn | | T.e.u | Trn | Lvs | Lvs | | Trp | Δla | Pro | Va 1 | | Thr |
| 128 Pro Glu Ser Phe Phe Phe Gln Pro Leu Tyr Arg Glu His Ser Gly Asn Phe 129 275 280 285 285 130 Lys Lys Trp Val Asn Thr Pro Phe Pro Phe Thr Ala Ser Ser Ile Glu Leu Val 291 295 300 128 129 295 300 128 129 120 12 | | III | LCu | 110 | | 111 9 | LCu | 1-5 | Lyb | | 110 | 1-5 | | | | | |
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| | | | 500 | | | | | 505 | | | | | 510 | | • |
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